

Membrane for a gas diffusion electrode, method of manufacture of the membrane and gas diffusion electrode with membrane.

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US5308465 (A1)

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Cited documents:

US4804592

DE3029622

US3899354

US5047133

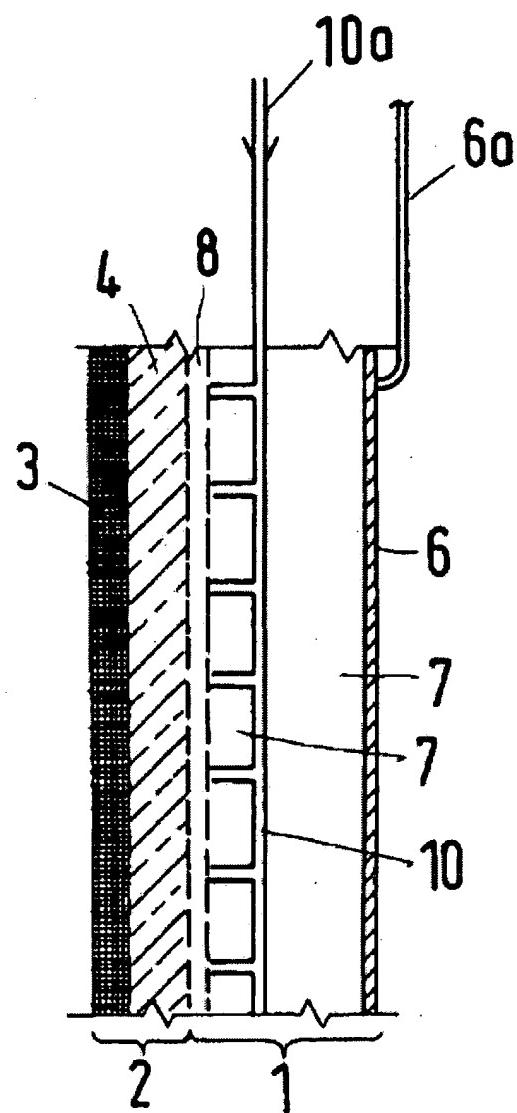
US4100331

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Abstract not available for EP0546594

Abstract of correspondent: **US5308465**

The membrane serves to cover a gas diffusion electrode on its outside surface facing a liquid electrolyte. The membrane is impermeable to gas and water-absorbent. It comprises a textile carrier layer. At least one gas-sealing layer, which contains ion exchange material and binder in a weight ratio from 10:1 to 1:2, is bonded to the textile carrier layer. In the manufacture of the membrane, an adhesive layer consisting of a binder in a solvent and subsequently at least one gas-sealing layer are applied to the textile carrier layer.



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